IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	10/612,099
Applicant	:	Lionel Herve et al.
Filed	:	July 2, 2003
Patent No.	:	7,133,494
Issue Date	:	November 7, 2006
Title	:	METHOD FOR RADIOLOGICAL EXAMINATION OF AN OBJECT

Conf. No.	:	3432
TC/A.U.	:	2882
Examiner	:	Allen C. Ho

Customer No.	:	000116
Docket No.	:	35837

CERTIFICATE OF CORRECTION TRANSMITTAL LETTER

Mail Stop Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

A Certificate of Correction under 35 U.S.C. 254 is hereby requested to correct Patent Office printing errors in the above-identified patent. Enclosed herewith is a proposed Certificate of Correction (Form No. PTO-1050) for consideration. Also enclosed is documentation in support of this request.

It is requested that the Certificate of Correction be completed and mailed at an early date to the undersigned attorney of record. The proposed corrections are obvious ones and do not in any way change the sense of the application.

We understand that a check is not required since the errors were on the part of the Patent and Trademark Office in printing the patent.

Respectfully submitted,
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Date: July 2, 2007

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.　　: 7,133,494

APPLICATION NO.: 10/612,099

ISSUE DATE　　: November 7, 2006

INVENTOR(S)　　: Herve et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 3, starting at Line 55 and ending at Line 59, please delete the formula:

and insert therefor:

$$\text{--}\quad \Gamma_{ij} \;=\; \sum_{k=1}^{N-1} \frac{\partial \hat{M}_i}{\partial mes_k} \bullet \frac{\partial \hat{M}_j}{\partial mes_k} \bullet \frac{1}{N_k}\quad \text{--}$$

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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Privacy Act Statement

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~~(a1 + a2 + ... + a N 1 = 1)~~ <u>(a1 + a2 + ... + aN-1 =</u>
<u>1)</u>.

Please replace the first equation on page 5 which is as follows:

$$\Gamma_y = \sum_{k=1}^{N-1} \frac{\partial M?_1}{\partial mes_k} \frac{\partial M?_f}{\partial mes_k} \frac{1}{N_k}$$

with the following replacement equation:

$$\Gamma_{ij} = \sum_{k=1}^{N-1} \frac{\partial \hat{M}_i}{\partial mes_k} \bullet \frac{\partial \hat{M}_j}{\partial mes_k} \bullet \frac{1}{N_k}$$

Please replace the paragraph following the above equation with:

The variance on the linear combination yielding final ~~M?~~ $\underline{\hat{M}}$ is expressed by the formula:

$$f = (a_1, \ldots, a_{N-1}) \cdot \Gamma \cdot {}^t(a_1, \ldots, a_{N-1});$$

this quantity f attains an optimal value when its derivative according to all of the variables is null, that is, the noise's influence is minimized, i.e.,

$$\begin{cases} \partial f/\partial a_1 = 0 \\ \partial f/\partial a_2 = 0 \\ \ldots \\ \partial f/\partial a_{N-1} = 0 \end{cases}$$